



US006037368A

United States Patent

[19]

Podos et al.

[11] Patent Number: 6,037,368
[45] Date of Patent: Mar. 14, 2000**[54] 8-ISO- PROSTAGLANDINS FOR GLAUCOMA THERAPY****[75] Inventors:** Steven M. Podos, Tenafly, N.J.; Thomas W. Mittag, Pleasantville, N.Y.; Bernard Becker, University City, Mo.**[73] Assignee:** Mount Sinai School of Medicine, New York, N.Y.**[21] Appl. No.:** 09/073,552**[22] Filed:** May 6, 1998**Related U.S. Application Data****[63]** Continuation of application No. 08/853,803, May 9, 1997, abandoned.**[51] Int. Cl.⁷** A61K 31/215; A61K 31/19**[52] U.S. Cl.** 514/530; 514/573; 514/913**[58] Field of Search** 514/530, 573, 514/913**[56] References Cited****U.S. PATENT DOCUMENTS**

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[57] ABSTRACT

The present invention relates to the use of 8-iso prostaglandins and their derivatives for decreasing intraocular pressure, for example in the treatment of glaucoma. It is based, at least in part, on the discovery that 8-iso prostaglandin E₂ effectively decreased intraocular pressure by a trabecular meshwork outflow mechanism.

21 Claims, No Drawings